|   | Index of Claims |          |  |          |             |              |           |                  |          |          |            |           |          | Application No.        |         |                   |                 |              |          |                 |       |          | Applicant(s) |                |          |          |                    |          |                 |          |          |   |  |
|---|-----------------|----------|--|----------|-------------|--------------|-----------|------------------|----------|----------|------------|-----------|----------|------------------------|---------|-------------------|-----------------|--------------|----------|-----------------|-------|----------|--------------|----------------|----------|----------|--------------------|----------|-----------------|----------|----------|---|--|
|   |                 |          |  |          |             |              |           |                  |          |          |            |           |          | 10/063,097<br>Examiner |         |                   |                 |              |          |                 |       |          |              | CULLER ET AL.  |          |          |                    |          |                 |          |          |   |  |
|   |                 |          |  |          |             |              |           |                  |          |          |            |           |          |                        |         |                   |                 |              |          |                 |       |          |              | Art Unit       |          |          |                    |          |                 |          |          |   |  |
|   |                 |          |  |          |             |              |           |                  |          |          |            | -         |          |                        |         |                   |                 |              |          |                 |       |          |              |                |          |          |                    |          |                 | •        |          |   |  |
|   |                 |          |  |          |             |              |           |                  |          |          |            |           |          |                        | F       | Rajnikant B Patel |                 |              |          |                 |       |          |              |                | 28       | 38       |                    |          |                 |          |          |   |  |
|   |                 |          |  |          |             |              |           |                  |          |          |            |           |          |                        |         |                   |                 |              |          |                 |       |          |              |                |          |          | _                  |          |                 |          |          |   |  |
|   |                 |          | ,  | D        | .i          | 4 A d        |           |                  |          |          | (Tł        | rou       | gh n     | ume                    | eral)   | ral) Non-Elected  |                 |              |          |                 |       |          |              |                | Annaal   |          |                    |          |                 |          |          |   |  |
|   |                 |          | √  | Rejected |             |              |           |                  | -        |          |            | Cancelled |          |                        |         | 1                 |                 | N            | MOII     | -=:             | ected |          |              | Α              | Appeal   |          |                    |          |                 |          |          |   |  |
|   |                 |          |  |          | Allowed     |              |           |                  |          |          | Doctrictor |           |          |                        | -       | ſ                 | $\cdot$         | Interference |          |                 |       |          |              | Objected       |          |          |                    |          |                 |          |          |   |  |
|   |                 |          | =  | Allowed  |             |              |           | ÷                |          |          | Restricted |           |          |                        |         |                   | 1               | interiere    |          |                 | ilice |          | 0            | Objected       |          |          |                    |          |                 |          |          |   |  |
|   |                 |          |  |          |             |              |           |                  |          | _        |            |           |          |                        |         |                   |                 |              |          |                 |       |          |              |                |          |          |                    |          |                 | _        |          |   |  |
|   | Claim           |          |  | Date     |             |              |           |                  |          |          |            | Claim     |          |                        | _       |                   | ate             |              |          | Н               | Claim |          | aim_         | ļ <sub>—</sub> | Date     |          |                    | г т      |                 | 4        |          |   |  |
|   | ਯ               | nal      | 40,  | 9        |             |              |           |                  |          |          | 6          | a         | nal      |                        |         |                   | - 1             |              |          |                 |       | <u>_</u> | nal          |                |          |          |                    |          |                 |          |          |   |  |
|   | Final           | Original | 9/16/04                                      | 126      |             |              |           |                  |          |          |            | Final     | Original | ı                      |         |                   |                 |              |          |                 |       | Final    | Original     |                |          |          |                    |          |                 |          |          |   |  |
| ı |                 |          |  |          |             | $\perp$      | $\perp$   |                  |          | Щ        |            |           |          |                        |         | <u> </u>          |                 | _            |          | Щ               | *     |          |              |                | 4        | _        | $\perp$            | <u> </u> |                 | ┵        | _        |   |  |
|   | -0              | 2        | . 4  | =        | +           | ╁            | +         | -                | -        | $\dashv$ | 1          | -         | 51<br>52 |                        | +-      | $\vdash$          | -               | $\dashv$     | - -      | Н               | 1     |          | 101<br>102   | $\vdash$       | +        | +        | +-                 |          | H               | -        | -        |   |  |
|   | -0              | 3        | ÷  | ╗        | +           | ╁            | $\vdash$  | $\vdash$         | -        | $\dashv$ | 1          |           | 53       | ╁                      | ╁       | +                 | $\dashv$        | -+           |          | H               |       |          | 103          | Н              | +        | +        | +                  | $\vdash$ | $\vdash$        | _        | +        |   |  |
|   | -0              | 4        | -  | -1       | _           | $\top$       | 1         | 一                |          |          | 1          |           | 54       |                        | $\top$  |                   |                 | 7            | $\dashv$ |                 |       |          | 104          | $\Box$         | _        |          |                    |          |                 |          | 1        | • |  |
|   | -0              | 5        | -  | -        |             |              |           |                  |          |          | 5 5        |           | 55       |                        |         |                   |                 |              |          |                 | 1     |          | 105          |                |          |          |                    |          |                 |          | ]        |   |  |
|   | -0              | 6        | •  | -        |             | $\downarrow$ | _         |                  |          |          |            |           | 56       |                        |         | $\perp$           |                 |              | $\perp$  | Ш               |       |          | 106          | Ш              | _        | 4-       | $oldsymbol{\perp}$ |          | $\sqcup$        | $\perp$  | 4        |   |  |
|   | -0              | 7        | -,   | -        | -           | +            | ـ         | <u> </u>         | _        | _        |            |           | 57       | _                      | +       | $\perp$           | _               | 4            |          | Н               | - "   |          | 107          | $\vdash$       | 4        | +        | +                  | _        | $\vdash$        | +        | 4        |   |  |
|   | 2               | 8        | 7  | =        | -+          | +            | ╀         | -                |          | Н        |            |           | 58<br>59 |                        | - -     | +                 | -               | +            | - -      | Н               | -     |          | 108<br>109   |                | - -      |          | +                  | -        | ⊢⊹              | -        | -        |   |  |
|   | 3               | 9        | - ✓  | =        | -+          | ╬            | +-        | ├-               | H        | Н        | 1          |           | 60       | +                      | +       | +                 | $\dashv$        | +            |          | H               | 1     |          | 110          | $\vdash$       | +        | -        | ╁                  | ╁        | ├─┼             |          | -        |   |  |
|   | 5               | 11       | <u>                                     </u> | -        |             | ┿            | ╁╌        | ┢                | $\vdash$ | Н        | į          |           | 61       | +                      | ╁       | +                 | $\dashv$        | +            | +        | Н               | +     |          | 111          | $\vdash$       | +        | +        | ╁┈                 | +-       | $\vdash$        | +        | ┥        |   |  |
|   | 6               | 12       | H  | =        | +           | +            | +         | -                | H        |          |            |           | 62       | +                      | +       | +                 | $\dashv$        | +            | +        | H               | 1     |          | 112          |                | +        | ╅        | +                  | $\vdash$ | $\vdash$        | +        | ┪        |   |  |
|   | 7               | 13       | i  | =        | $\top$      | +-           | †**       | <del>  -</del> - |          |          |            |           | 63       |                        | $\top$  | T                 | $\neg$          | $\top$       |          | П               | -     |          | 113          | П              | _        | 1        | $\top$             |          | $\Box$          | $\top$   | 1        |   |  |
|   | 8               | 14       | i  | =        |             | $\top$       | <b>†</b>  |                  | T        |          |            |           | 64       |                        |         | T                 | $\neg$          | 寸            |          | П               | 1.1   |          | 114          |                | 寸        | 1        | T                  |          |                 | 1        | 1        |   |  |
|   | 9               | 15       | i  | Ξ        |             |              |           |                  |          |          |            |           | 65       |                        |         |                   |                 |              |          |                 |       |          | 115          |                |          |          |                    |          |                 |          |          |   |  |
|   | 10              | 16       | <u>-</u> .                                   | =        |             |              |           | <u> </u>         |          |          | 4          |           | 66       | $\perp$                | $\perp$ | Ш                 |                 |              |          | Ц               |       |          | 116          | Ш              | $\perp$  |          | 1                  | ļ        | Li              |          | _        |   |  |
|   | 11              | 17       | ĻĻ   | =        | _           | _            | ↓_        | _                |          |          |            |           | 67       | _                      | _       | <del> </del>      |                 | 4            | -        | Н               | - 1   |          | 117          | Н              | +        |          | -                  | _        | $\vdash$        | -        | 4        |   |  |
|   | 12              | 18       | 1  | =        |             | _            | ╁         | -                | -        | $\vdash$ | 4          |           | 68<br>69 | +                      | +       | +                 | $\dashv$        | +            |          | H               |       |          | 118<br>119   | $\vdash$       | +        | +        | +                  | ⊢        |                 | -        | -        |   |  |
|   | 13<br>-0        | 19<br>20 | 7  | =        | +           | +            | ╁         | -                | ├        |          | j.         |           | 70       | +                      | +-      | -                 | $\dashv$        | +            | +        | $\vdash$        | 1     |          | 120          | $\vdash$       | +        |          | +-                 | $\vdash$ | $\vdash$        | +        | -        |   |  |
|   | 14              | 21       | 1  |          | -           | +            | +         | $\vdash$         | $\vdash$ | $\vdash$ | ÷:         |           | 71       |                        | +       | +                 | $\dashv$        | $\dashv$     | +        | H               |       |          | 121          | $\vdash$       | +        | +        | +                  | $\vdash$ |                 | +        | 1        |   |  |
|   | 15              | 22       | 1  | =        | -           | +            | $\dagger$ | H                | $\vdash$ | $\vdash$ | 2          |           | 72       |                        | +       | 1                 | $\dashv$        | 寸            | _        | Н               |       |          | 122          | $\Box$         | $\neg$   |          | 1                  | Т        | Ħ               | 1        | 1        |   |  |
|   | 16              | 23       | 1  |          |             | T            | 1         |                  | T        | П        | -          | -         | 73       | $\neg \vdash$          |         | Т                 | $\dashv$        | $\neg$       |          | П               | ş. i  |          | 123          |                |          |          |                    |          |                 |          |          |   |  |
|   | 17              | 24       | 7  | =        |             |              |           |                  |          |          | i i        |           | 74       |                        |         |                   |                 | $\Box$       |          |                 | 1     |          | 124          |                |          |          |                    |          |                 |          |          |   |  |
|   | -0              | 25       | -  | -        |             |              |           |                  |          |          |            |           | 75       |                        |         |                   |                 | $\perp$      |          | Ш               |       |          | 125          | Ш              | _        |          | _                  | <u> </u> | $\sqcup$        | 丄        | 4        |   |  |
|   | -0              | 26       | <u>-</u>                                     | -        | _ _         | $\bot$       | ╄-        | <u> </u>         |          | Ш        | ž.         |           | 76       | _                      | _       | 1                 |                 | $\dashv$     |          | _               | -     |          | 126          | Н              | _        | -        | 4_                 | ـــــ    | $\vdash$        | -        | 4        |   |  |
|   |                 | 27       |  |          | _           | +            | +         | ┼                | -        | Н        | j -        |           | 77<br>78 | -                      | +       | +                 | $\dashv$        | $\dashv$     | +-       | Н               |       |          | 127<br>128   | $\vdash$       | -        | +        | +                  | ╀        | $\vdash$        | -        | 4        |   |  |
|   | 19<br>-0        | 28<br>29 | 7  | -        | -           | ╁            | +         | ⊢                | ┢        | Н        |            |           | 79       |                        | +       | +                 | $\vdash$        | $\dashv$     | +        | Н               |       |          | 129          | $\vdash$       | +        | +        | ╁                  | ╁╾       | $\vdash$        | +        | ┪        |   |  |
|   | -0              | 30       | -  | -        | -           | ┿            | ╁         | ╁                | -        | Н        | -          |           | 80       | +                      | +       | +-                | $\dashv$        | $\dashv$     | +        |                 |       |          | 130          | H              | $\dashv$ | +        | ╅╴                 | ╁        |                 |          | 7        |   |  |
|   | 20              | 31       | 1  | =        |             | +            | +         | $\vdash$         | $\vdash$ | Н        | /6         |           | 81       | _                      | +       | +                 | $\vdash$        | $\dashv$     | $\top$   | П               | . 4   |          | 131          |                | +        |          | T                  | ┢        |                 | 1        | 7        |   |  |
|   | 21              | 32       | 1  | =        | $\top$      | $\top$       | $\top$    | Т                |          | П        | ş. :       |           | 82       | $\neg$                 | $\top$  |                   | П               | 寸            | $\top$   |                 |       |          | 132          | П              | 十        | $\top$   | $\top$             | T        | H               |          | 1        |   |  |
|   | 22              | 33       | 1  | =        |             |              |           |                  |          |          |            |           | 83       | $\Box$                 |         |                   |                 |              |          |                 |       |          | 133          |                |          |          |                    |          |                 |          |          |   |  |
|   | -0              | 34       | ·  | -        |             |              |           | <u> </u>         | <u> </u> |          | a.         |           | 84       |                        | ┸       |                   |                 | $\perp$      |          | Ш               | 5.70  |          | 134          | $\sqcup$       | 4        | _        | 1                  | 丄        | $\sqcup$        |          | _        |   |  |
|   | -0              | 35       | <u> </u>                                     | -        |             | _            | _         | ┞                | <u> </u> |          | 1          |           | 85       | _                      | +       | 4                 | $\Box$          | _            |          | Ц               | 7 1   |          | 135          | $\sqcup$       | $\dashv$ | +        | +                  | ╄        |                 |          | _        |   |  |
|   | -0              | 36       | -  |          |             | +            | ╂-        | _                | -        | $\vdash$ | , i        |           | 86       |                        | -       | ╁                 | -               | -+           |          | Н               |       |          | 136          | $\vdash$       | $\dashv$ | +        | +                  | ├-       |                 | +        | 4        |   |  |
|   | -0<br>23        | 37       | -  | -        |             | ┿            | ╀         | -                | -        | Н        |            |           | 87<br>88 | $\dashv$               | +       | +                 | $\vdash$        | $\dashv$     |          | $\vdash$        | 100   |          | 137<br>138   | $\vdash$       | $\dashv$ | +        | ╁                  | ┼        | $\vdash$        | +        | $\dashv$ |   |  |
|   | -0              | 39       | -  | -        |             | +            | ╁         | ╁                | $\vdash$ | Н        | 4.         |           | 89       | -                      | ╁       | ╁╌                | $\vdash$        | $\dashv$     | ╁        | Н               | Ť.    |          | 139          | $\vdash$       | $\dashv$ |          | +                  | ╁        | $\vdash$        |          | ┥        |   |  |
|   | 24              | 40       | 1  | =        | $\vdash$    | +            | +-        | $\vdash$         | $\vdash$ | Н        |            |           | 90       | $\dashv$               | +       | $\top$            | H               | $\dashv$     | $\dashv$ | Н               |       |          | 140          | $\vdash$       | 十        | $\top$   | +                  | T        | $\vdash$        | 十        | 7        |   |  |
|   | 25              | 41       | V  | =        |             | _            |           |                  |          |          | , à        |           | 91       | 丁                      |         | $\mathbf{I}^{-}$  |                 | 丁            |          |                 |       |          | 141          |                | 丁        |          |                    |          |                 |          |          |   |  |
|   | -0              | 42       | Ξ  | Ξ        |             | ╧            | $\Box$    |                  |          |          | 3 :        |           | 92       | $\Box$                 |         | $\Box$            |                 |              |          |                 |       |          | 142          | $\Box$         |          |          | $oxed{\Box}$       |          |                 | $\perp$  | ]        |   |  |
|   | 26              | 43       | 1  | Ξ        |             | T            |           |                  |          |          | 1          |           | 93       |                        | $\perp$ | L                 | П               | $\Box$       |          |                 |       |          | 143          | $\Box$         | $\perp$  | $\perp$  | $\perp$            |          | П               | $\perp$  | _        |   |  |
|   | -0              | 44       | -  | -        |             | $\perp$      | 1         | _                | <u> </u> | Ш        |            |           | 94       | _ _                    | $\bot$  | 4                 | $\sqcup$        | 4            |          | Ш               | ٠ إ   |          | 144          | $\sqcup$       | _        | +        | 4                  | ـ        | $\sqcup$        | +        | 4        |   |  |
|   | -0              | 45       | <u>  -</u>                                   | -        | <b>-</b>  - | -            | +         |                  | ₽        | Ы        |            |           | 95       | -                      | +       | +                 | $\vdash \vdash$ | $\dashv$     | -        | $\vdash \vdash$ | .     |          | 145          | $\vdash$       | _        | +        | +                  | ┼        | $\vdash$        | +        | 4        |   |  |
|   | -0<br>27        | 46<br>47 | 1  | =        | $\vdash$    | +            | +-        | +-               | $\vdash$ | $\vdash$ |            |           | 96<br>97 | $\dashv$               | +       | +                 | $\vdash \vdash$ | $\dashv$     | +-       | $\vdash$        |       |          | 146<br>147   | ┼┤             | $\dashv$ | +        | +                  | +        | $\vdash \vdash$ | +        | $\dashv$ |   |  |
|   | 28              | 48       | 1  | =        | $\dashv$    | +            | +-        | ╁                | +        | H        |            |           | 98       | $\dashv$               | +       | +-                | $\vdash$        | $\dashv$     |          | ${m H}$         |       |          | 148          | ┼┤             | +        | +        | +                  |          | $\vdash$        | +        | -        |   |  |
|   | 29              | 49       | 1  | =        | +           | +            | +         | $\vdash$         | $\vdash$ | Н        |            |           | 99       | $\dashv$               | 十       | $\top$            | H               | $\dashv$     | +        | Н               | -     |          | 149          | $\vdash$       | $\dashv$ | $\dashv$ | +-                 | +        | $\sqcap$        | $\dashv$ | 1        |   |  |
|   | 30              | 50       | Ė  | =        |             | 丁            | 工         | T                |          |          |            |           | 100      |                        | 工       | 上                 |                 | 丁            |          | П               | =     |          | 150          |                | 丁        | 丁        | 工                  |          |                 | 丁        | ]        |   |  |